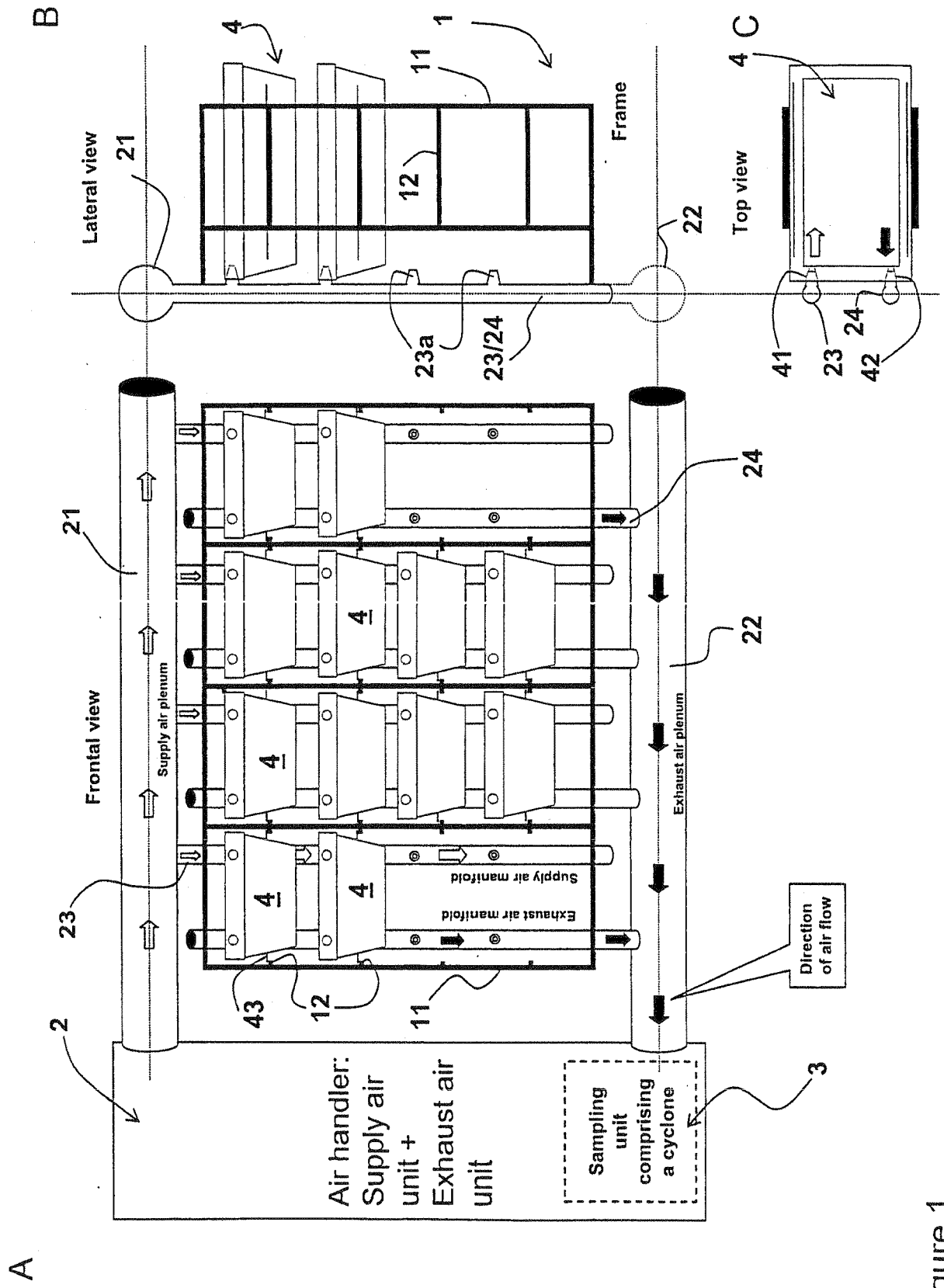




Cage rack system according to the state of the art with particle sampling units attached to it
 where the sampling unit resides in a pocket within the conduit

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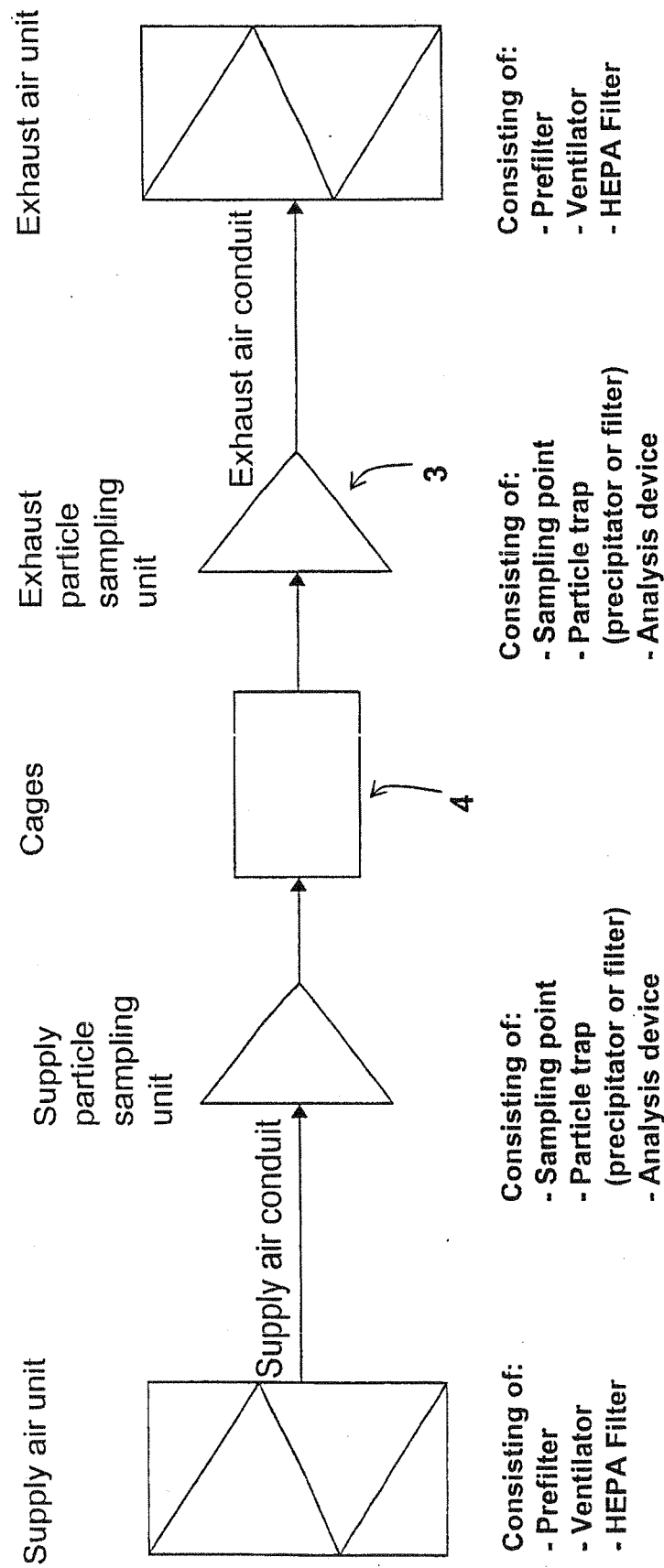


Figure 2

Particle sampling unit according to the invention sampling an aliquot of the air from a bypass

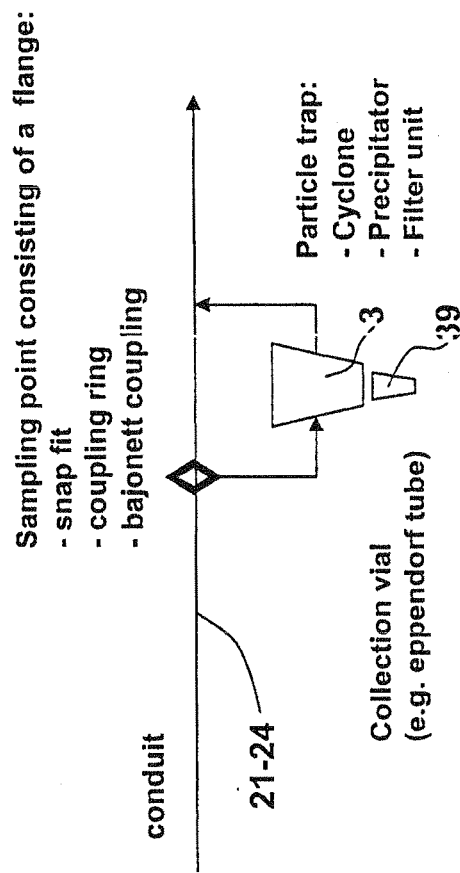


Figure 3

Fractionated separation of particles by size or density in a folded cyclonic path

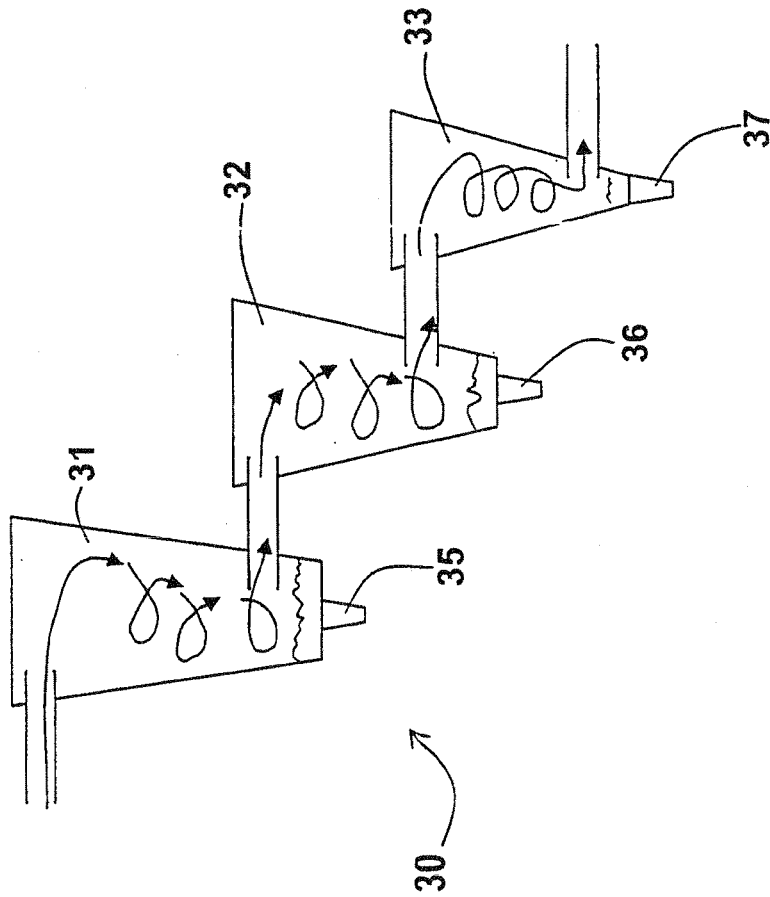


Figure 4

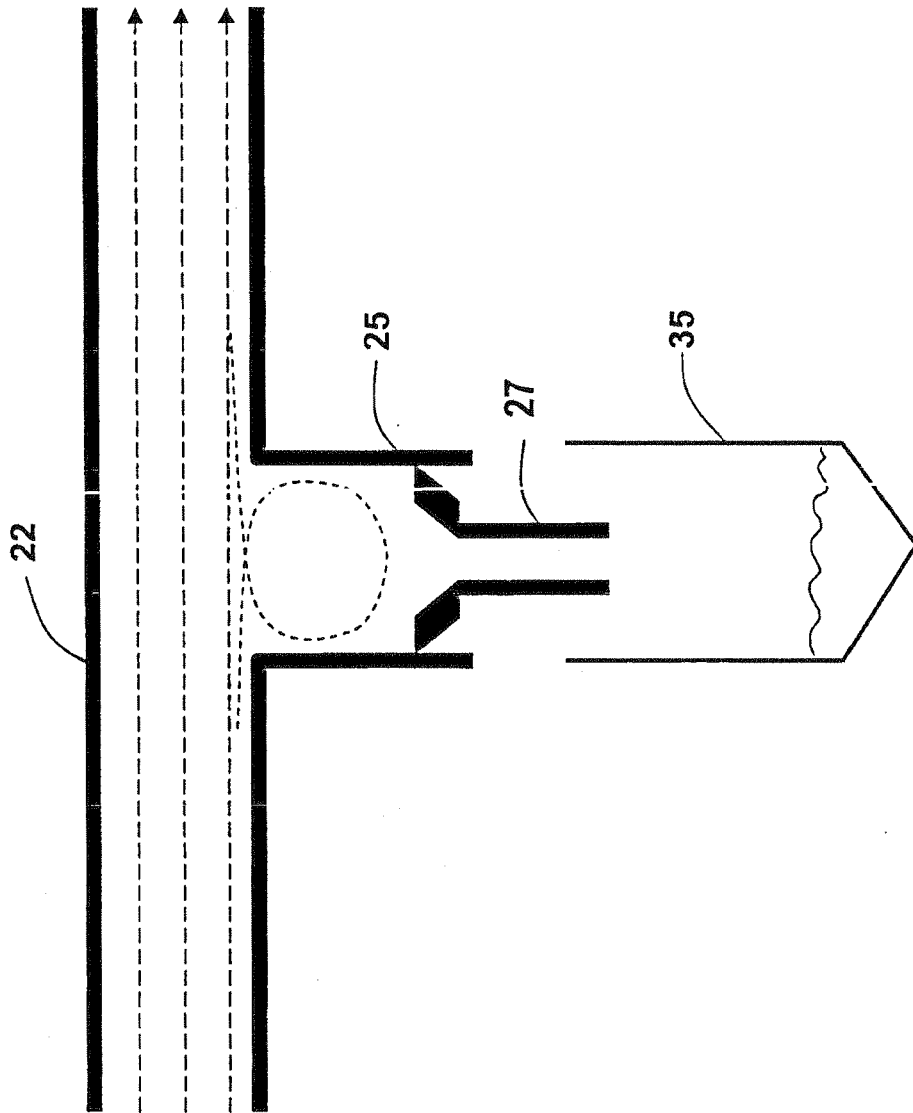


Figure 5

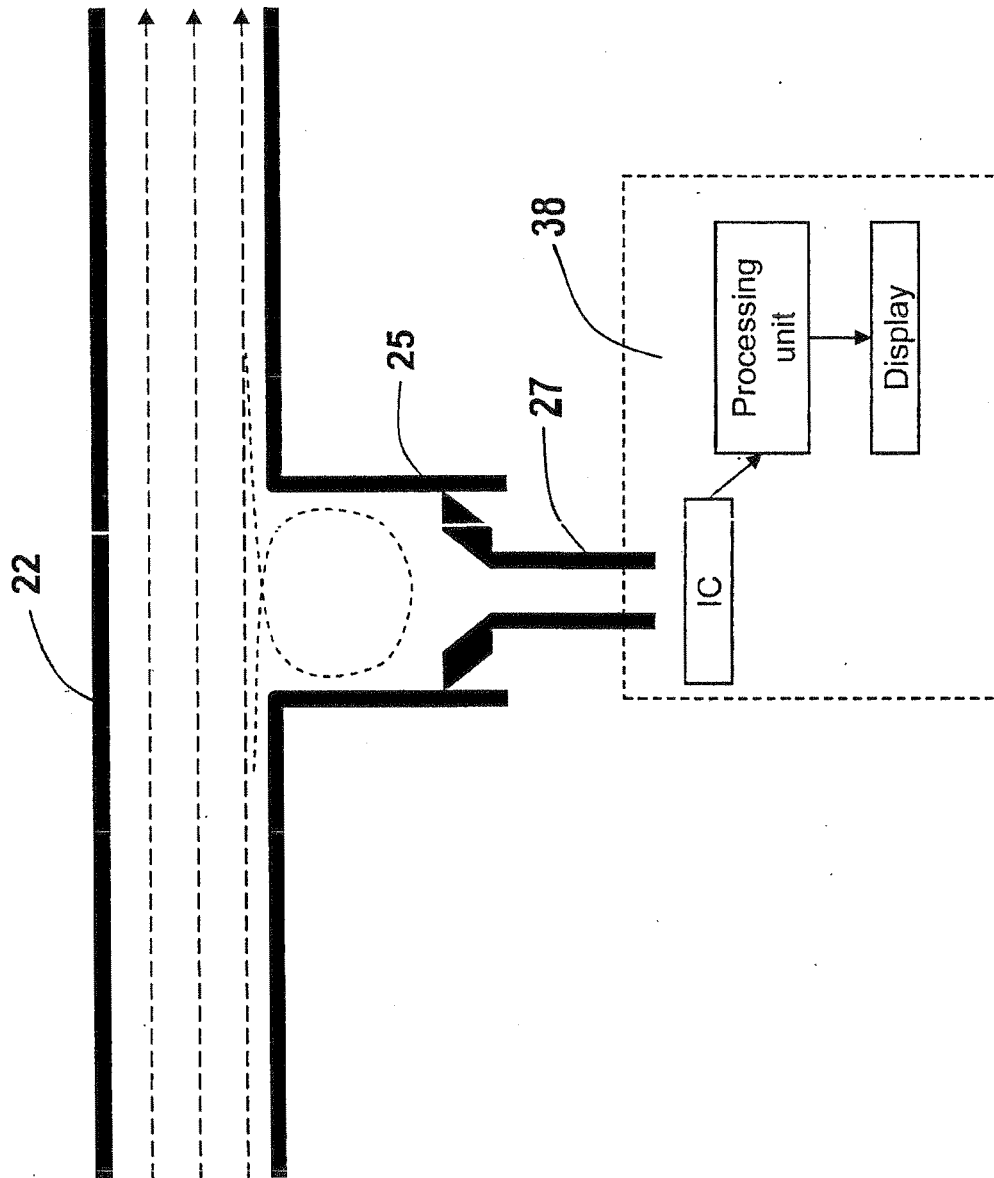


Figure 6

Different sampling points attached to a state of the art rack system

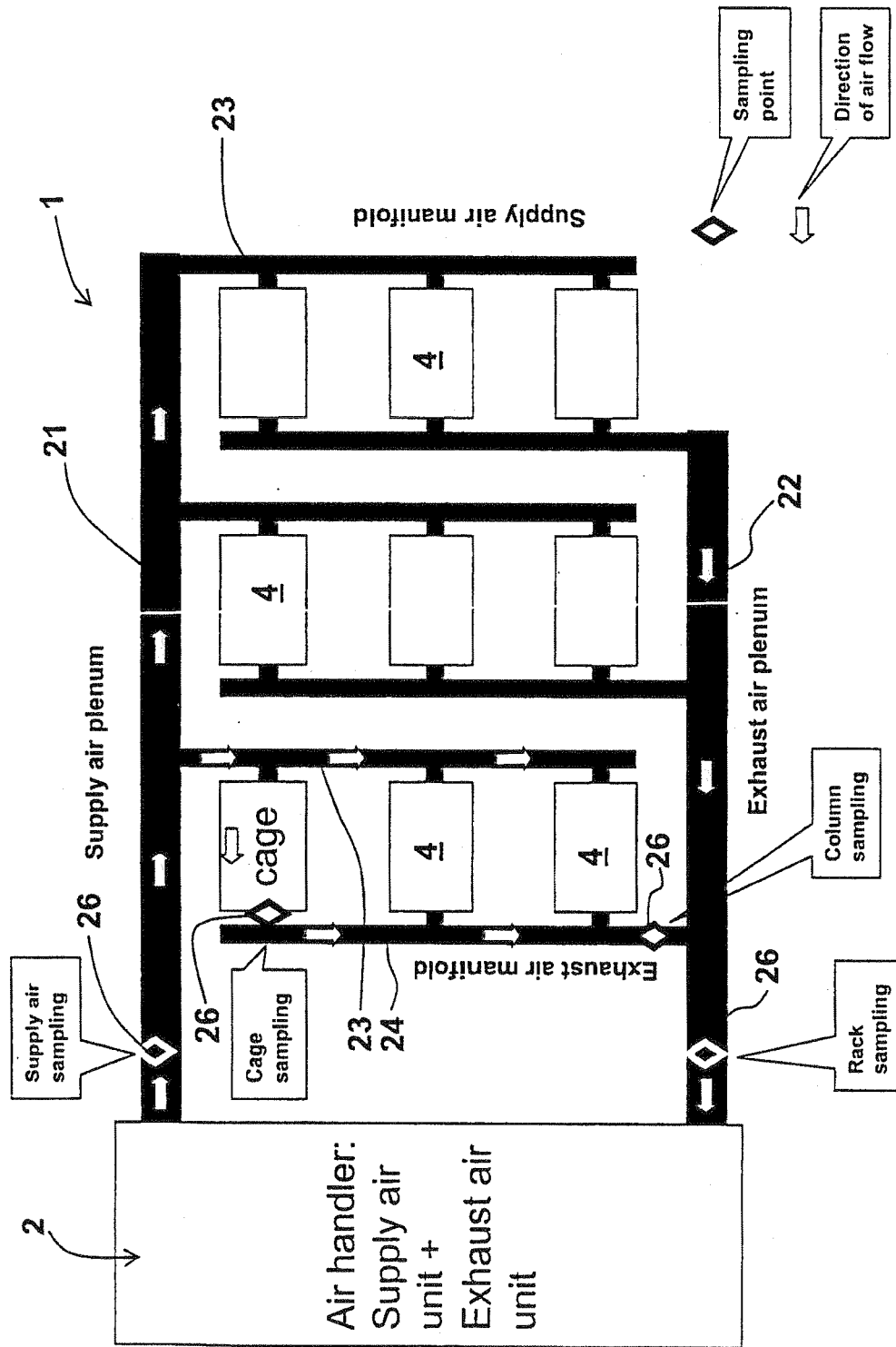


Figure 7

Prototype of a sampling unit comprising of a cavity with adjustable depth attached to the conduit

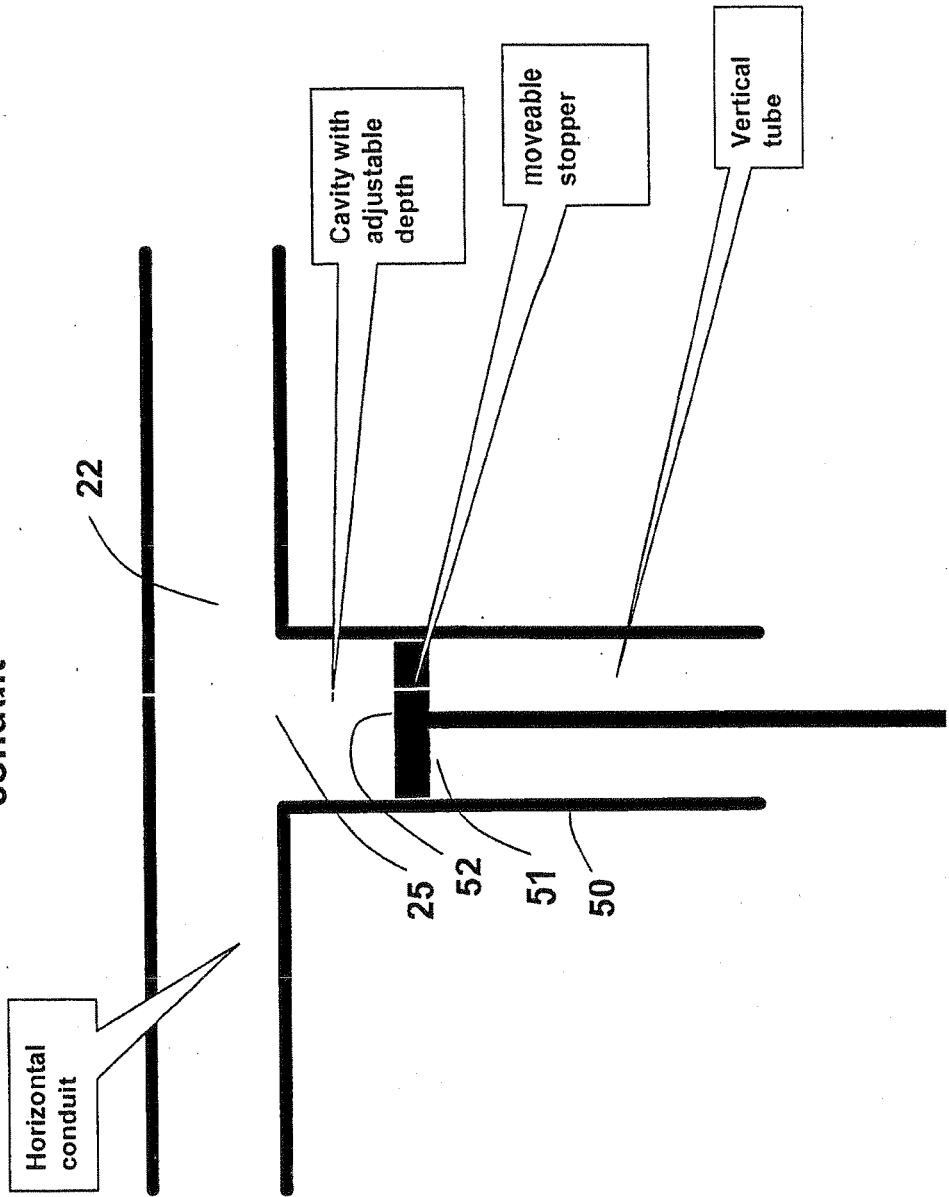


Figure 8

Drawing of the prototype of the sampling unit attached to a commercial rack system

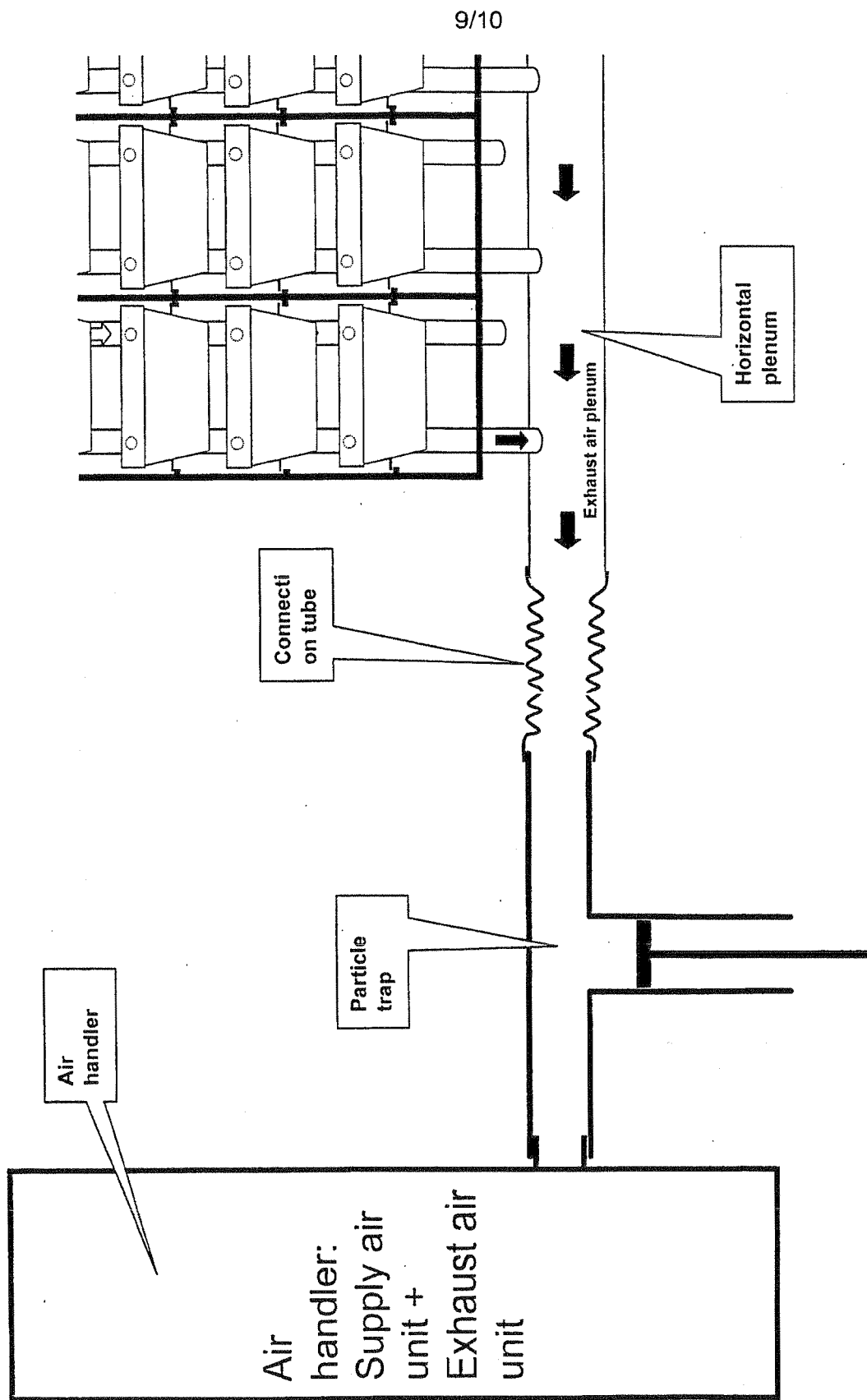


Figure 9

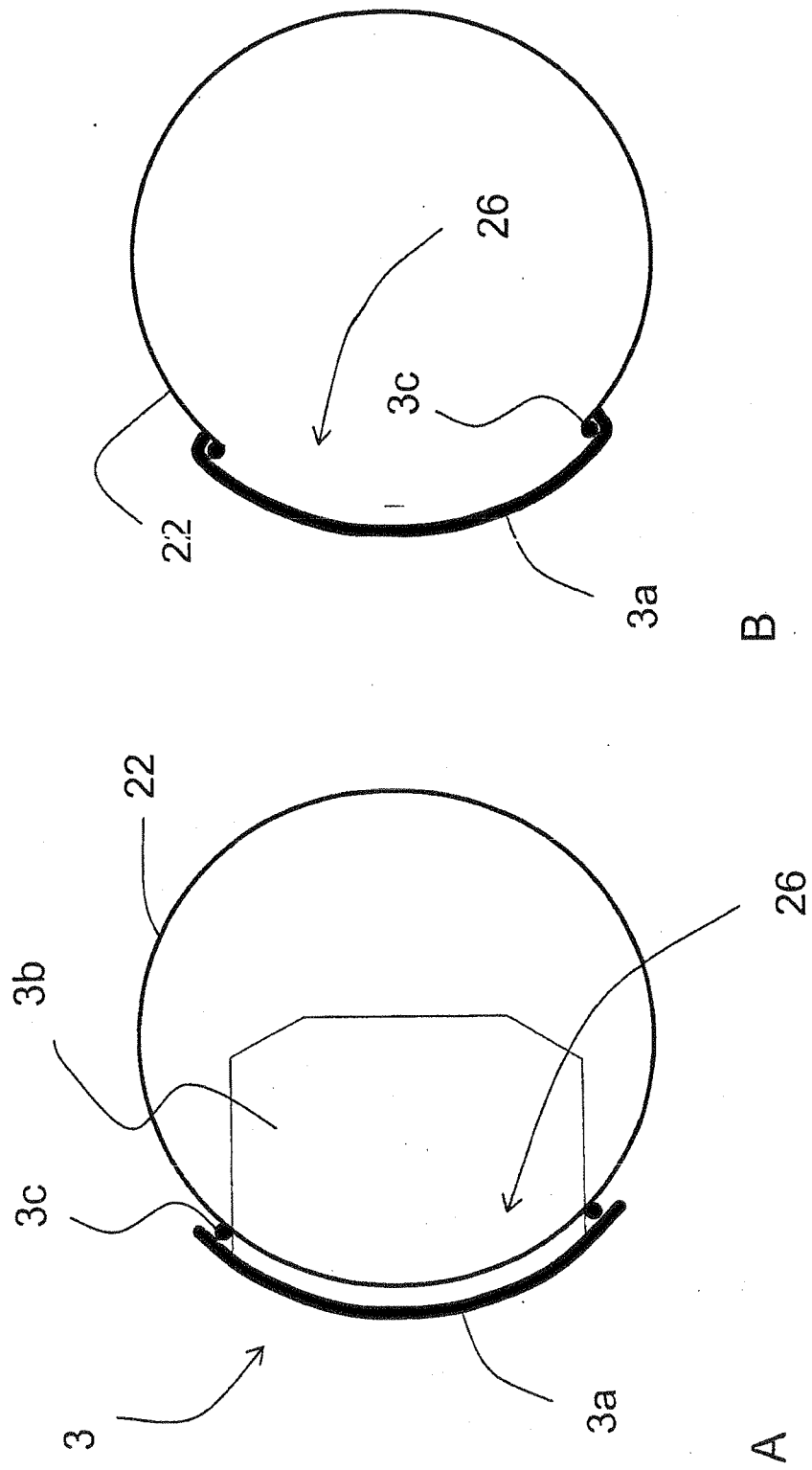


Figure 10